DIGISTOR NVR Comparison

DIGISTOR NVR	DS-4200 Pro Series	DS-4000 Series	DS-2000 Series
DIGISTOR NVR Models	DS-4225 Pro, DS-4220 Pro, DS-4216 Pro DS-4212 Pro, DS-4209 Pro, DS-4205 Pro	DS-4016, DS-4012 DS-4009, DS-4005	DS-2016, DS-2012 DS-2009, DS-2005
Supported Channel Numbers	Up to 25/20/16/12/9/5	Up to 16/12/9/5	Up to 16/12/9/5
Operating System	Linux-embedded		
Maximum Network Throughput*	360Mbps	150Mbps	150Mbps
Full HD Local Display	Yes	No	No
Frame Rate in Full HD Local Display	Up to 200fps	-	-
Frame Rate in HD Local Display	Up to 300fps	-	-
HDD Capacity**	Up to 8TB (2.5"/ 3.5" SATA HDD x 4)	Up to 8TB (2.5"/ 3.5" SATA HDD x 4)	Up to 4TB (2.5"/ 3.5" SATA HDD x 2)
HDD Tray	4	4	2
Remote Monitoring	Yes		
Remote Monitoring Support	IE browser, iOS, Android operating system		
Remote Monitoring Display Modes	1/4/9/10/12/16/20/25 & 5+1/7+1/12+1-channel display modes		
Multi-NVR Server Monitoring***	Yes (Up to 144 channels)		
Remote Megapixel Recording	Yes, support high performance megapixel recording		
Video Format	MJPEG, MPEG-4, H.264 (Depending on the camera models)		
Multi-channel Playback	4-channel simultaneously		
Event & Action Management	Events: Camera connection lost, intelligent motion detection, user-defined digital input and NVR system connection lost Actions: Event recording, E-Mail Notification, video clip via E-Mail, buzzer and user-defined digital output		
User Privilege Management	Administrator, power user, user		
Log System	Hardware log, NVR log, event log, current user log, historical user log, file access log		
Disk Configuration	JBOD, RAID0, RAID1, RAID5	JBOD, RAID0, RAID1, RAID5	JBOD, RAID0, RAID1
CPU	Intel	RISC	RISC
GPIO	4 in, 2 out	4 in, 2 out	4 in, 2 out
USB BACKUP	Yes		
LAN Port**	2 x Gigabit	1 x Gigabit	1 x Gigabit
USB Connector	6 x USB 2.0	3 x USB 2.0	3 x USB 2.0
H/ W Dimensions	245.8(D) x 205.3(W) x 184.94(H) mm 9.68(D) x 8.08(W) x 7.28(H) inch	245.8(D) x 205.3(W) x 184.94(H) mm 9.68(D) x 8.08(W) x 7.28(H) inch	246.1(D) x 114.97(W) x 164.94(H) mm 9.69(D) x 4.53(W) x 6.49(H) inch

*Maximum network throughput is varied in different environment.
**The standard system is shipped without HDD.
***Multi-NVR server monitoring is not supported in local display interface.
****Users are suggested to connect cameras and DIGISTOR NVR with Giga Switch.

All designs and specifications are subject to change without prior notice.

DIGIEVER

Integrated IP Video Surveillance Solutions

DIGISTOR NVR Series

PC-less and Linux-embedded Standalone NVR

DS-4200 Pro / DS-4000 / DS-2000 Series

Complete Network Surveillance System with Local Display, Remote Monitoring and High Performance Megapixel Recording.

For more detailed information, please visit DIGIEVER website:

www.digiever.com

E-Mail: sales@digiever.com

Powerful DIGISTOR NVR Features

DIGISTOR is a Linux-embedded standalone NVR and its members include DS-4200 Pro Series, DS-4000 Series and DS-2000 Series. These series are powered by high performance CPU and perform excellent network surveillance of multiple IP cameras up to 25 channels of single server and up to 144 channels of multiple servers. DIGISTOR NVR supports local display of Full HD quality, remote monitoring, megapixel recording and playback. The monitoring demands can be satisfied anywhere and anytime by local display monitoring, remote web browser monitoring, iOS and Android mobile monitoring.

Brilliant Full HD Local Display*

- **Various Display Modes**
- **Full HD 200fps Monitoring**
- **HD 300fps Monitoring**
- **Convenient Control of PTZ and Speed Dome Cameras**

DIGISTOR NVR offers 1/4/9/12/16-channel display modes. DIGISTOR NVR supports video output via either HDMI or VGA connector for high image quality local display. Users can simultaneously monitor up to 16 channels in 1920 x 1080 (Full HD) and up to 200 fps (frame rate per second) outstanding monitoring performance. Also, users can control the pan, tilt and optical zoom of IP camera in local display interface. Both monitoring and configuration can be accessed in local display.

* Frame rate in Full HD/HD local display is based on camera's compression format H.264.
** The max. FPS might be varied from different environments.
*** Local display is supported in DS-4200 Pro Series only.

Video output via either VGA or HDMI

Remote monitoring, anytime, anywhere

Real-time Remote Monitoring

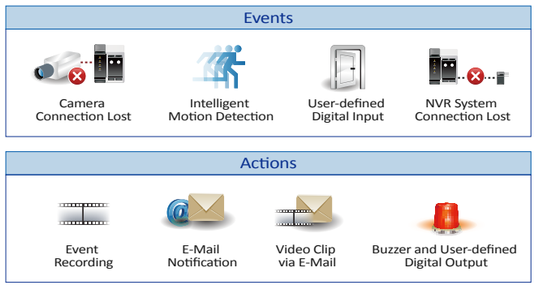
- **Multi-NVR Server Monitoring**
- **Various Monitoring Modes**
- **Convenient Control of PTZ and Speed Dome Cameras**
- **Digital Zoom in/ Zoom out**

DIGISTOR NVR lets users monitor remotely via IE browser. In web-based interface, DIGISTOR NVR offers 1/4/9/10/12/16/20/25 & 5+1/7+1/12+1-channel & sequential display modes and supports up to 25 channels. DIGISTOR NVR can be a multi-NVR server to connect other DIGISTOR NVR and select a maximum of 144 channels as well as simultaneously monitor other remote NVR sites without installing any extra VMS software. Also, remote monitoring offers control of PTZ camera and lets users view preset positions of the IP camera.

Efficient Event Management

- **Event Recording**
- **E-Mail Notification**
- **E-Mail Video Clip**
- **Buzzer Alarm**
- **User-defined Digital Output Actions**

Buzzer alarm



When an event is triggered, such as motion detection or digital input, DIGISTOR NVR can take various actions such as recording video in the server and sending a video clip instantly to users by E-mail. In addition, buzzer can be enabled to sound up to 60 seconds as abnormal events occur. Users can also define digital output actions by themselves, such as fire alarm system.

Excellent Video Recording

- **Various Compression Formats**
- **Various Recording Modes**
- **Flexible Threshold of Recorded Videos**
- **Multi-stream for Monitoring & Recording**

DIGISTOR NVR gives users high performance megapixel recording and supports MJPEG, MPEG-4 and H.264 formats. Users can configure different recording schedules such as continuous, schedule, event and audio recording for each camera in high megapixel recording. Users can also set recording percentage or days for keeping videos to overwrite the oldest video files automatically. Furthermore, DIGISTOR NVR supports multi-stream to let users set video format, frame rate, resolution and other features in different conditions to save bandwidth for monitoring and recording.

Intuitive Multi-channel Playback

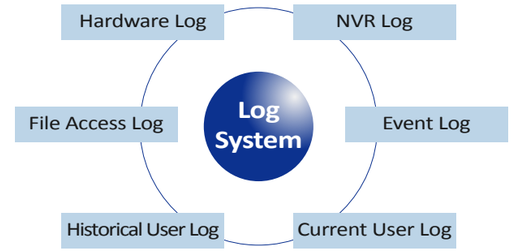
- **User-friendly Video Search by Date, Time, Channel, Normal Record, Event and Recovered File**
- **Exporting Recordings**
- **Taking a Snapshot**

DIGISTOR NVR lets users search the recorded video by selecting date, time, channel number, normal record, event and recovered file. DIGISTOR NVR allows exporting video files in AVI format and during playback users can also take a snapshot and save photo in PC.

Advanced and Reliable Security System

- **Stable and Secure Linux-embedded System**
- **Detailed Log Information**
- **User Privilege Management**
- **Flexible Permission and Prohibition of IP Range for Controlling the Access**

DIGISTOR NVR is a Linux-embedded operating system which is efficient to avoid virus attack and hacker intrusion. Compared with PC, Linux-embedded system offers more green and power saving. With over six clear log systems, users can do quick trouble shooting and security control of DIGISTOR NVR. As for privilege management, administrator can add multiple user groups like power user and user to configure live view and playback access. Besides, users can specify IP address or network segment to permit or prohibit specific IP address as white or black list from live view or playback access.



Complete log record for trouble shooting

Monitoring everywhere via iPhone and Android

Smart, Simple and Mobile Enhancement

- **Monitoring Everywhere via iPhone and Android Operating System**
- **Intelligent EZ Search of NVR**
- **Trouble Free Installation in 5 Steps**
- **Easy to Use by USB Mouse and Keyboard**

No matter where you are, you can monitor live view through iPhone or Android phone and control PTZ camera. Besides, with EZ Search, users can quickly find NVR in the network and connect to web-based interface. In only 5 steps, users can finish Quick Configuration in local display or web-based interface. When users connect to local display, user can manage live view and configuration easily by a USB mouse and keyboard.

* Easy to use by USB mouse and keyboard is supported in DS-4200 Pro series only.

Ingenious USB Backup

- **Backup with Day, Hour and Channel Preset**
- **Efficient Hardware USB Backup Button**

Users can set a maximum of days and hours to backup the latest video files and configure the specific channels for duplication in advance. After setting the time and channels, users just need to press USB BACKUP button on the NVR and then export the video files to external USB device. When an urgent need arises, video files are backed up efficiently and quickly.

Superior Hardware Design

- **High Network Throughput for High Megapixel Recording**
- **Supports up to 2TB Storage Capacity per Hard Disk Drive**
- **Built-in Advanced RAID Configuration with Hot Swap Design**
- **Automatic Recovery from DIGISTOR NVR Power Outage**
- **Built-in GPIO: 4 in 2 out**

DIGISTOR NVR is powered by Intel CPU/ RISC CPU for excellent megapixel recording and provides network throughput up to 360Mbps/ 150Mbps and supports each HDD up to 2TB. Users can configure JBOD, RAID0, 1, 5 in local display or web-based interface; hot swap design allows users to replace failed HDD without turning off the server. DIGISTOR NVR will also recover when power resumes after an outage and recover missing file. Also, DIGISTOR NVR supports built-in GPIO 4 in 2 out.

Various Network Services

- **DDNS Service**
- **NTP Server**
- **Static IP or DHCP**
- **Quick UPnP Search for Connecting Camera**
- **Windows Networking and FTP Service**

Users can register a domain name from a dynamic DNS (DDNS) provider and enable DDNS in DIGISTOR NVR. DIGISTOR NVR supports NTP (Network Time Protocol) by selecting time zone for synchronizing the date and time. Users can flexibly set static IP or DHCP server to enter the network video recorder. Besides, users can add camera via quick UPnP search in LAN. With Windows networking and FTP service, DIGISTOR NVR allows users quickly access the video files.